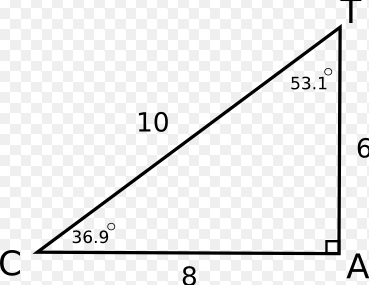
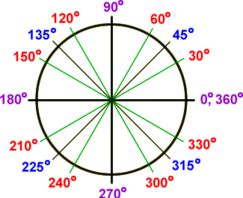
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| Mr. Michael T. Davis  Pre-Calculus | | Unit 4 Practice Test  May 2, 2016 | |
| Name: | |

THE UNIT 4 TEST IS ON MONDAY, MAY 9

1. Evaluate 
2. Evaluate 
3. Evaluate 
4. Evaluate 
5. Evaluate 
6. Evaluate 
7. Complete the statement (fill in the blank): 
8. True or False: 
9. Convert  to an angle measure in degrees.
10. Convert  to an angle measure in degrees..
11. Convert  to an angle measure in degrees.
12. Convert  to an angle measure in degrees.
13. Convert  to an angle measure in degrees.
14. Convert  to an angle measure in degrees.
15. Convert  to an angle measure in degrees.
16. Convert  to an angle measure in degrees.
17. Next to each degree angle measure, write it’s equivalent radian angle measure:



1. Write  in terms of a reference angle
2. Write  in terms of a reference angle
3. Write  in terms of a reference angle
4. Write  in terms of a reference angle
5. Write  in terms of a reference angle
6. Write  in terms of a reference angle
7. Write  in terms of a reference angle
8. Write  in terms of a reference angle
9. Write  in terms of a reference angle
10. Write  in terms of a reference angle
11. Write  in terms of a reference angle
12. Write  in terms of a reference angle
13. Write  in terms of a reference angle
14. Write  in terms of a reference angle
15.  Given the special triangle below with  as its shortest leg length, find the lengths of the other two sides.
16. Given the special triangle below with  as its leg length, find the lengths of the other two sides.
17. Evaluate the trigonometric expression 
18. Evaluate the trigonometric expression 
19. Evaluate the trigonometric expression 
20. Evaluate the trigonometric expression 
21. Evaluate the trigonometric expression 
22. Evaluate the trigonometric expression 
23. Evaluate the trigonometric expression 
24. Evaluate the trigonometric expression 
25. Evaluate the trigonometric expression 
26. Evaluate the trigonometric expression 
27. Evaluate the trigonometric expression 
28. Evaluate the trigonometric expression 
29. Convert  to an angle measure in degrees.
30. Convert  to an angle measure in radians.
31. Convert  to an angle measure in degrees.
32. Convert  to an angle measure in radians.
33. Convert  to an angle measure in degrees.
34. Convert  to an angle measure in radians.
35. A ray is rotated counter clockwise from the positive x-axis, and the terminal side passes through the point . Determine the six trigonometric ratios of the central angle  formed by the x-axis and the terminal side:
36. A ray is rotated counter clockwise from the positive x-axis, and the terminal side passes through the point . Determine the six trigonometric ratios of the central angle  formed by the x-axis and the terminal side:
37. Without using a calculator, evaluate each inverse trig expression to determine the corresponding angle measure:

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